Task, Standards, & Rubric

Teacher: Ms. Rodriguez

**Grade:** Second Grade

**Subject:** Science

**Unit:** Plant Diversity Unit: Water Pollution

**Task:** After students have learned about plants and how they grow, they made an investigation using their own plants to see the effects of water pollution in the plants. They participated in conversations and class activities that introduced them to the topic of water pollution and how it affects the environment we live in.

**Standards:**

* *ELA-* [*SL.2.1*](http://www.corestandards.org/ELA-Literacy/SL/2/1/)*,* [*W.2.8*](http://www.corestandards.org/ELA-Literacy/W/2/8/)
* *Science- LE 2.1a, LE 2.2 a,b, LE 4.1a,b,c,d , LE 1.1b, LE 1.2a, LE 5.1a, LE 5.2a*
* *Math- 2.MD.A.1, 2.MD.A.3, 2.MD.A.4*

| Indicators of Students Understanding | **Criteria** | | | |
| --- | --- | --- | --- | --- |
| Student will be able to:   * Explain what water pollution is and how it affects plants. * Follow the steps and complete the worksheet correctly. * Measure the plant and make a prediction. * Have conversations with his/her classmates to answer questions and add comments/ideas. * Make a detailed picture of the plant to show any changes. | **Level 4**  **Exceed**  **Grade Level Standards** | **Level 3**  **Meeting**  **Grade Level Standards** | **Level 2**  **Approaching Grade Level Standards** | **Level 1**  **Well below Grade Level Standards** |
| I can explain what water pollution is and how it affects plants using complete sentences. I completed the worksheet, made a prediction and followed the instructions. I participated in class discussions. My picture is clear and detailed. | I can explain what water pollution is and how it affects plants using simple sentences. I completed the worksheet, made a prediction and followed the instructions. I participated in class discussions. My picture is clear. | I can explain what water pollution is and how it affects plants with guidance. I completed most of the worksheet, made a prediction and followed some/most of the instructions. I participated in a few class discussions. My picture is simple. | Does not understand the concept. Guidance provided to complete task. |
| MC900423161[1] | MC900423171[1] | MC900423151[1] | MC900423165[1] |

Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Water Pollution Effects on Plants

**Day 1**

1. What type of plant do you have? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. Measure your plant. How many inches long is it? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. What liquid will you add to your plant? \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. What do you think will happen to your plant after adding your liquid? This is your prediction.

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1. Make a detailed picture of your plant.